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(54) Title: BLOOD REGULATION DEVICE

(57) Abstract: The present invention relates to a cardiovascular stent (18) including a generally tubular body and a synthetic valve (22) capable of moving from a first open position to a second closed position wherein, in use, the stent is located between a first compartment and a second compartment and movement of blood in one direction causes the valve to move to an open position and movement of blood in a second opposite direction causes the valve to move to a closed position. In particular a stent is provided to connect the left ventricle of the heart to a coronary artery which allows blood to flow through the stent from the left ventricle of the heart into a coronary artery, but minimises reflux of blood from the coronary artery to the left ventricle of the heart.

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